

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\  
 Data File : BG033508.D  
 Acq On : 3 Apr 2018 4:09  
 Operator : SJ/JU  
 Sample : J2114-03  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 03 05:11:54 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

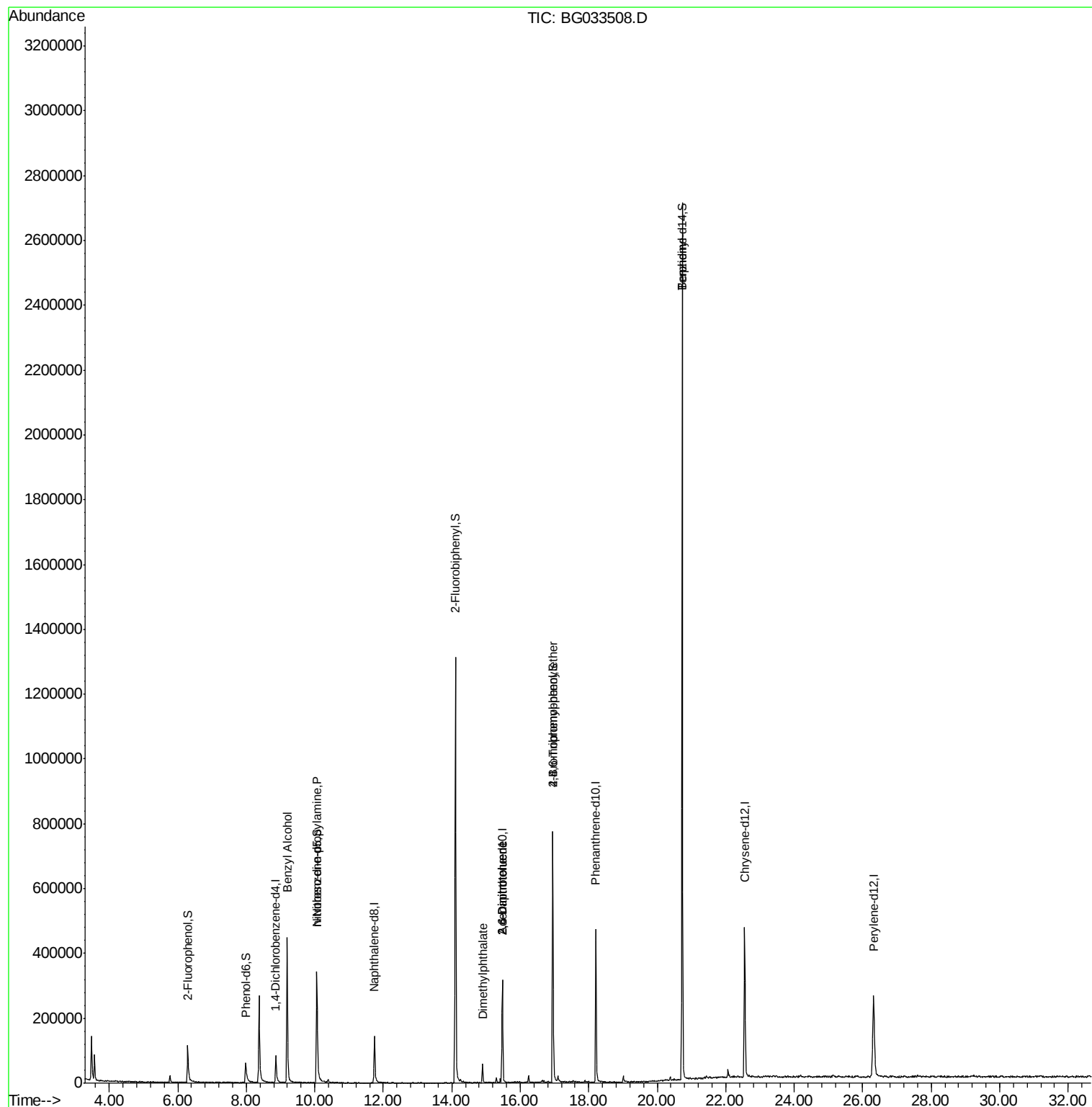
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.86  | 152  | 33382    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 11.74 | 136  | 146841   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 15.48 | 164  | 121021   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.21 | 188  | 338993   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.55 | 240  | 337560   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.32 | 264  | 363278   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.29  | 112  | 65096    | 36.57  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.98  | 99   | 60395    | 19.74  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 276815   | 86.61  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 153236   | 84.66  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 741978   | 88.51  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 1334600  | 84.55  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.19  | 79   | 5079     | 2.109  | ng    | # 33     |
| 19) n-Nitroso-di-n-propylamine | 10.06 | 70   | 35069    | 15.646 | ng    | # 83     |
| 49) Dimethylphthalate          | 14.90 | 163  | 40143    | 3.811  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 15.47 | 165  | 15615    | 7.251  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.47 | 165  | 15616    | 4.925  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 11831    | 2.972  | ng    | # 1      |
| 76) Benzydine                  | 20.73 | 184  | 22400    | 2.447  | ng    | # 96     |

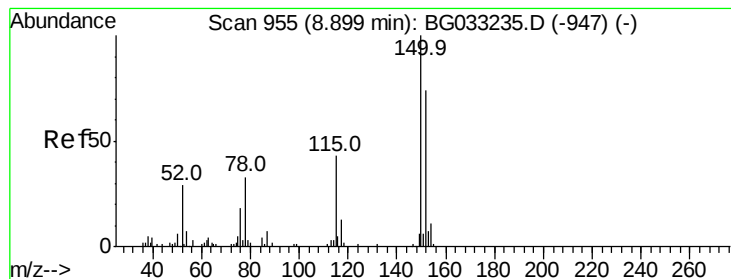
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 05:11:54 2018  
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QLast Update : Wed Mar 28 18:34:58 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

Instrument :

BNA\_G

ClientSampleId :

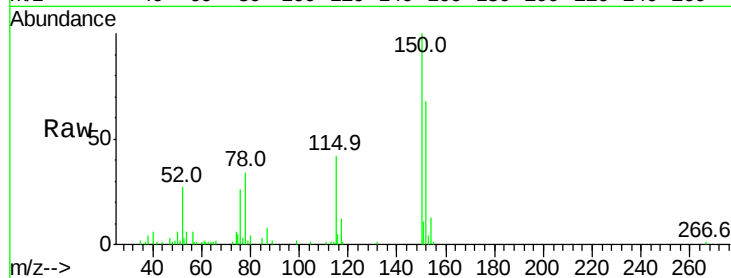
Tot Ion:152 Resp: 33382

Ion Ratio Lower Upper

152 100

150 148.1 126.6 189.8

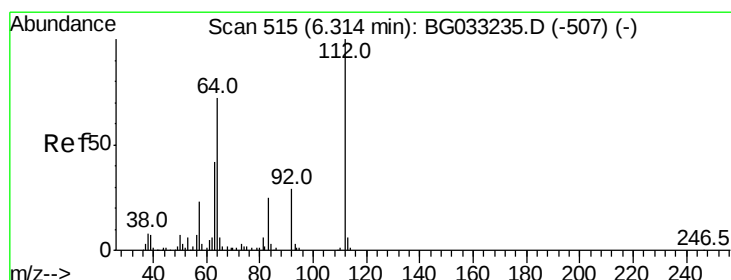
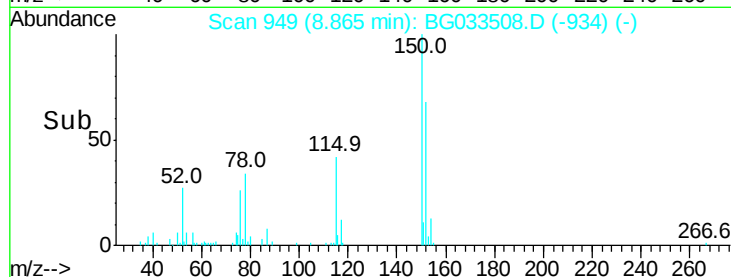
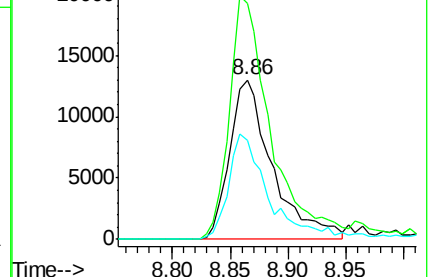
115 62.3 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 36.565 ng

RT: 6.29 min Scan# 511

Delta R.T. -0.00 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

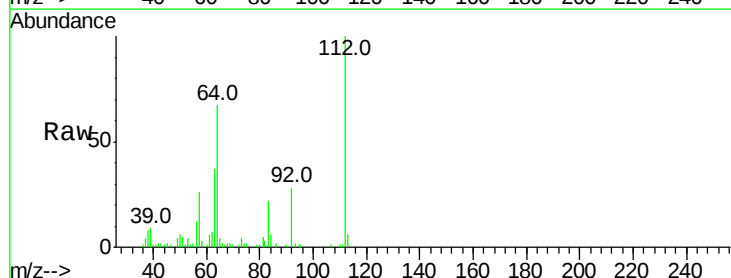
Tgt Ion:112 Resp: 65096

Ion Ratio Lower Upper

112 100

64 67.3 56.3 84.5

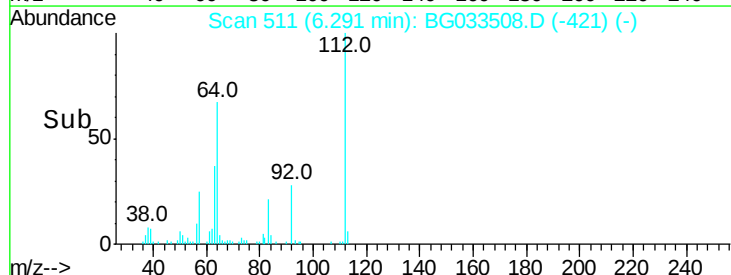
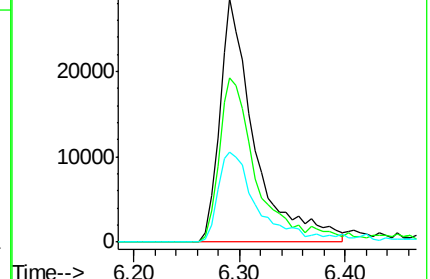
63 37.2 30.1 45.1

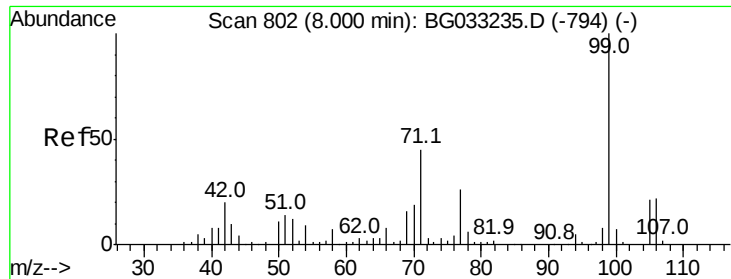


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 19.744 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

Instrument :

BNA\_G

ClientSampled :

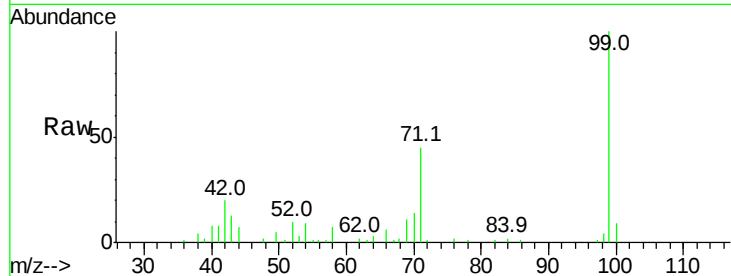
Tot Ion: 99 Resp: 60395

Ion Ratio Lower Upper

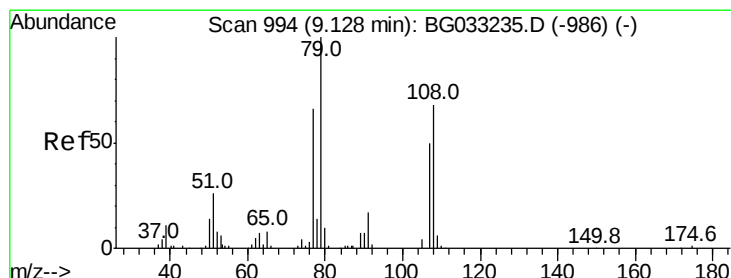
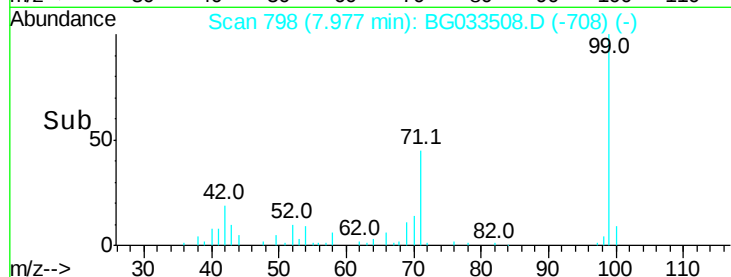
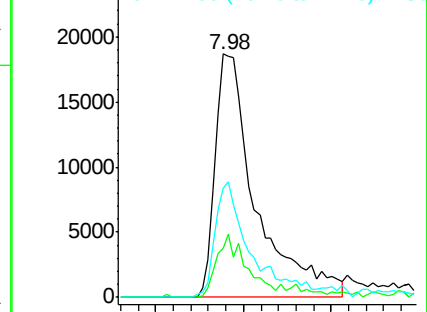
99 100

42 20.4 14.1 21.1

71 44.8 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.109 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

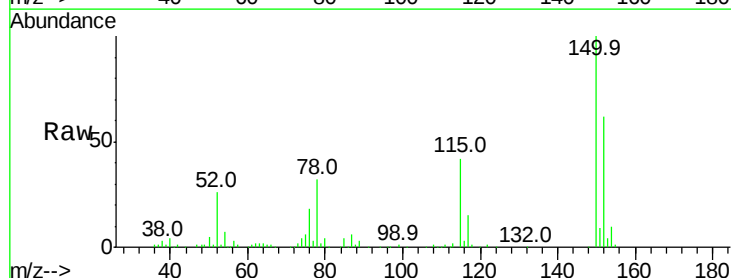
Tgt Ion: 79 Resp: 5079

Ion Ratio Lower Upper

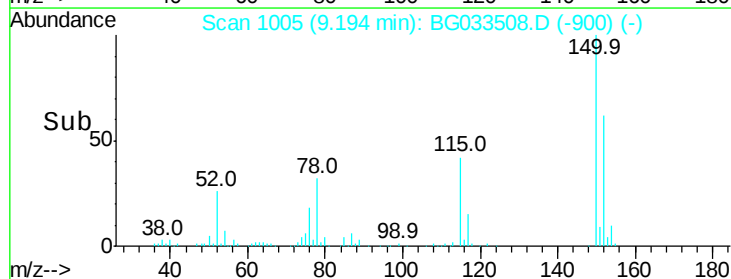
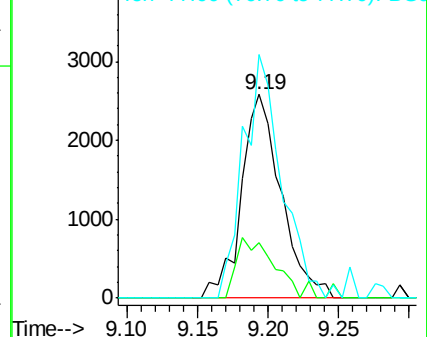
79 100

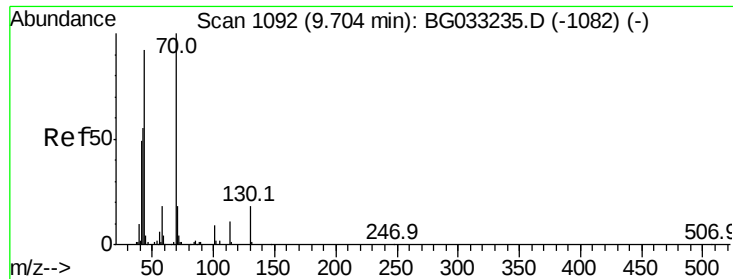
108 27.3 57.2 85.8#

77 119.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

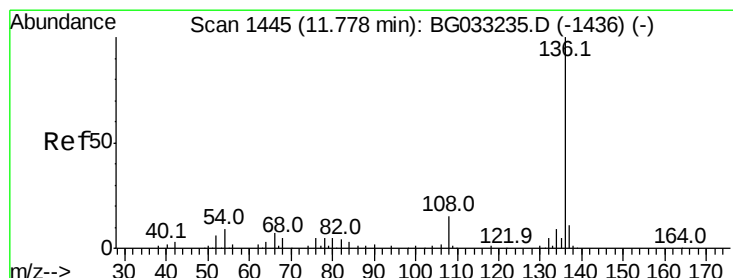
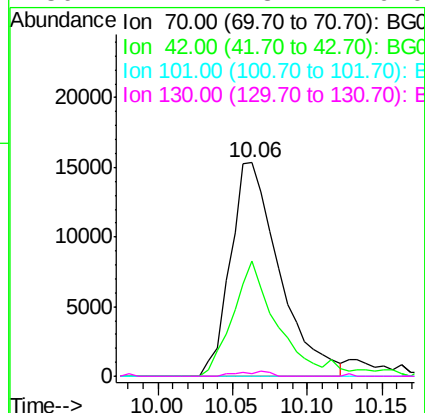
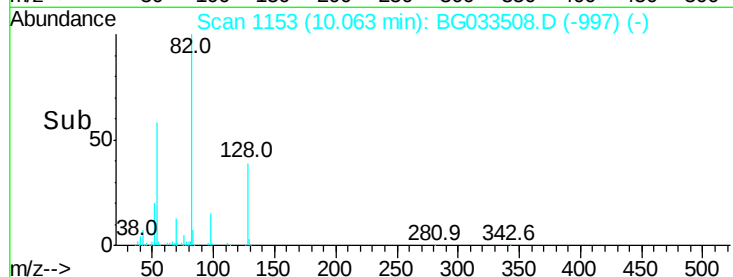
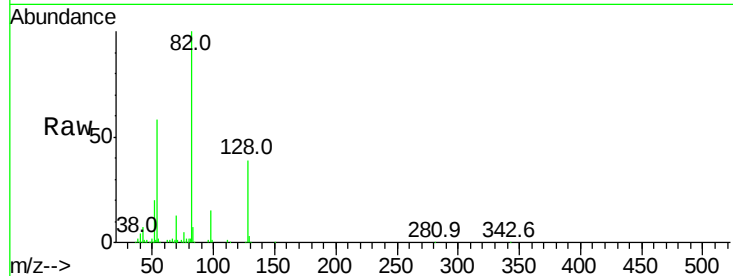




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.646 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. 0.39 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

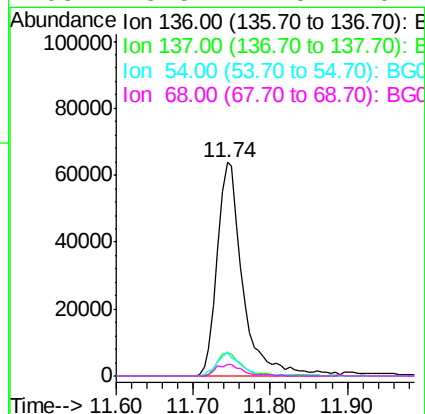
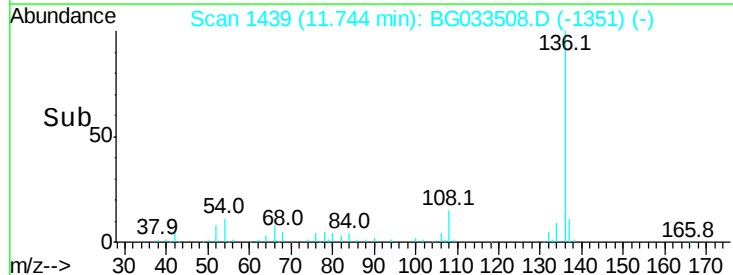
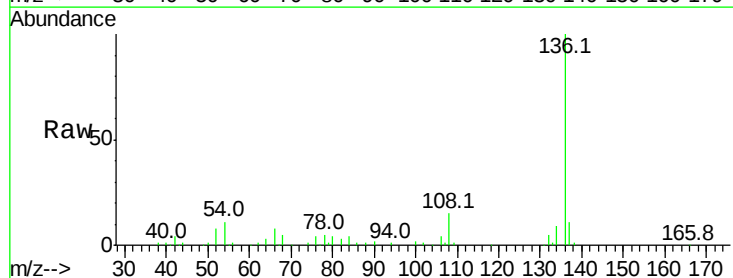
Instrument :  
BNA\_G  
ClientSampleId :

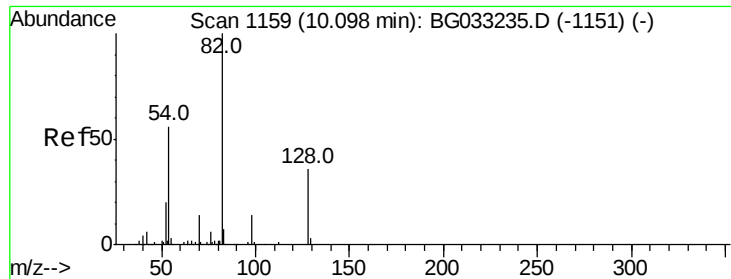
Tot Ion: 70 Resp: 35069  
Ion Ratio Lower Upper  
70 100  
42 53.8 49.1 73.7  
101 0.0 8.5 12.7#  
130 1.2 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

Tgt Ion: 136 Resp: 146841  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.2 13.8  
54 11.3 10.3 15.5  
68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 86.611 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

Instrument :

BNA\_G

ClientSampled :

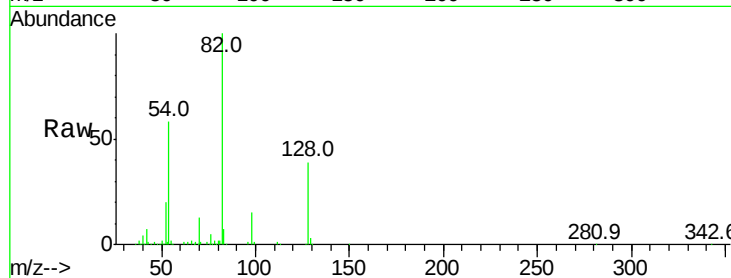
Tot Ion: 82 Resp: 276815

Ion Ratio Lower Upper

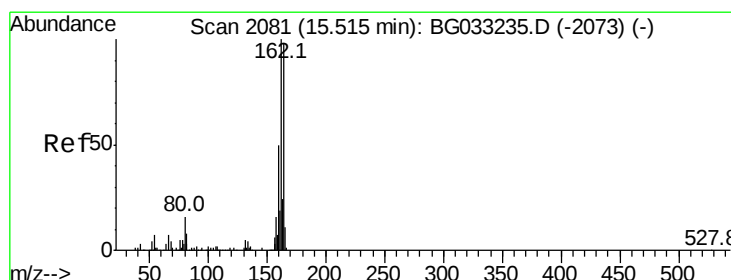
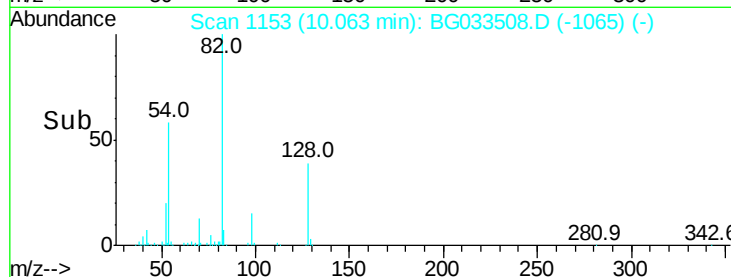
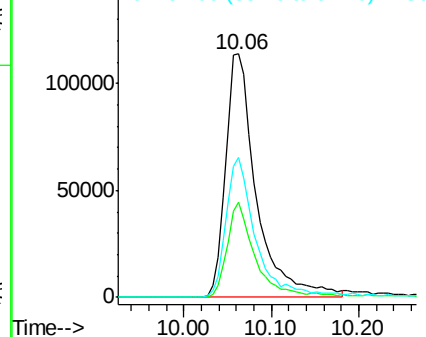
82 100

128 39.1 29.7 44.5

54 57.7 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

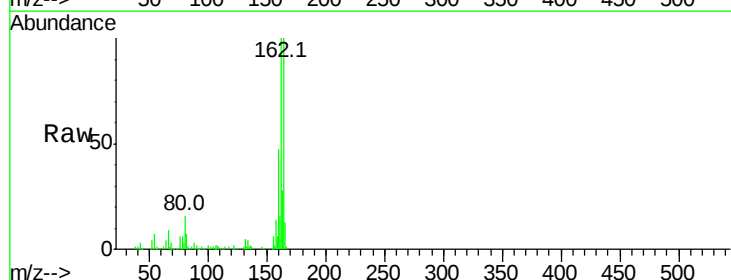
Tgt Ion: 164 Resp: 121021

Ion Ratio Lower Upper

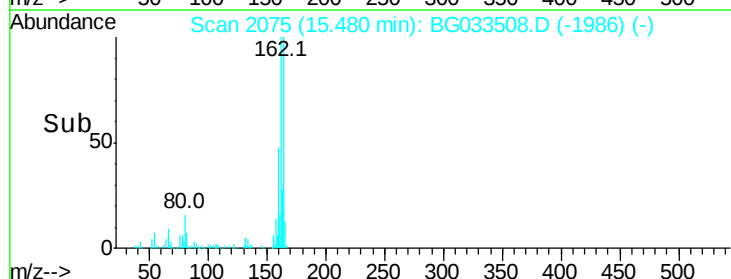
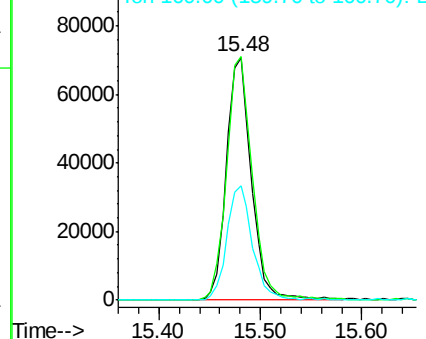
164 100

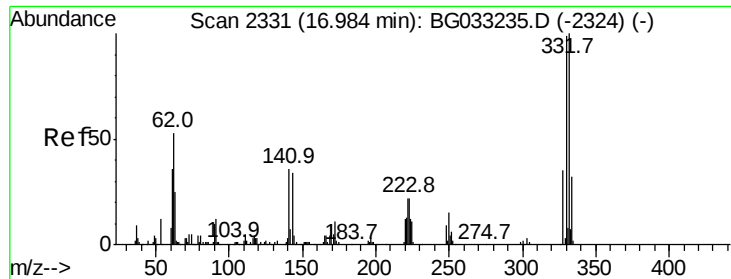
162 100.2 78.8 118.2

160 47.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

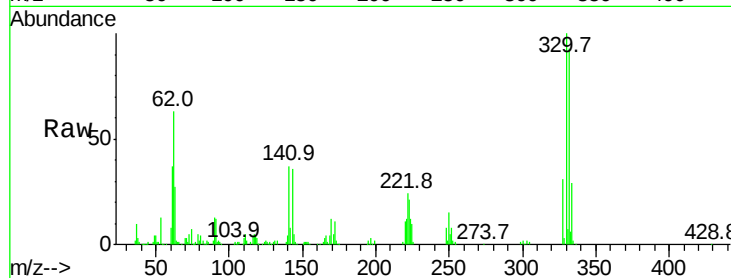




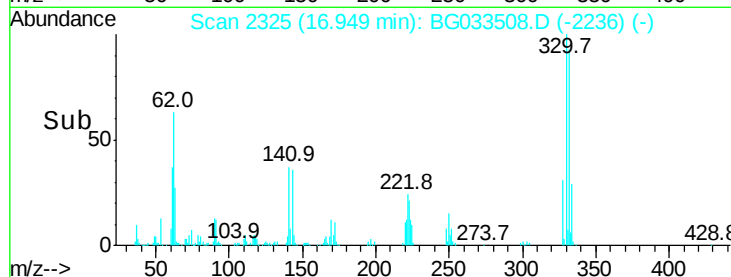
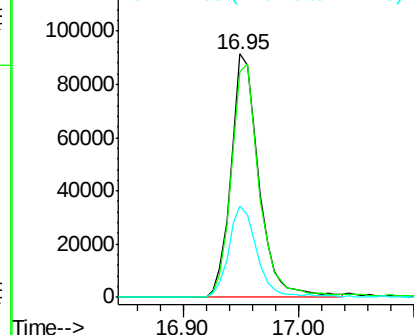
#41  
 2,4,6-Tribromophenol  
 Concen: 84.660 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.01 min  
 Lab File: BG033508.D  
 Acq: 3 Apr 2018 4:09

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 153236  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 37.6 25.2 37.8

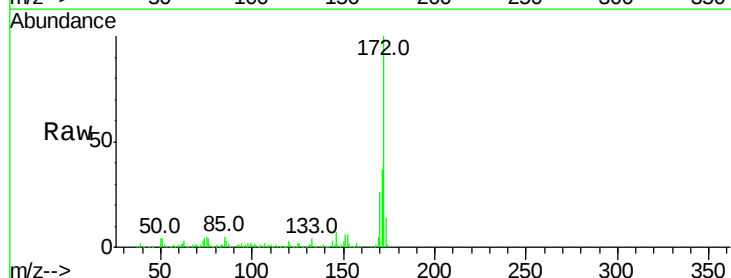


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

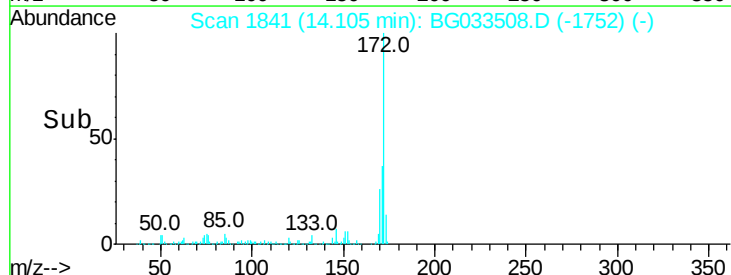
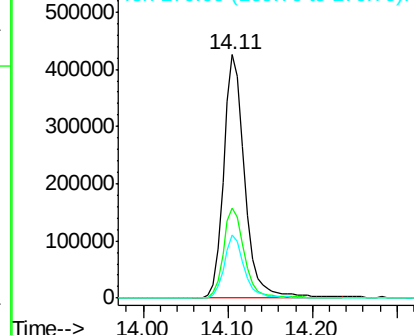


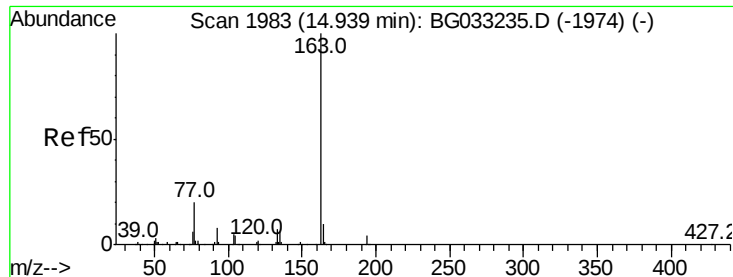
#44  
 2-Fluorobiphenyl  
 Concen: 88.509 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BG033508.D  
 Acq: 3 Apr 2018 4:09

Tgt Ion:172 Resp: 741978  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 30.0 45.0  
 170 26.2 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.811 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

Instrument :

BNA\_G

ClientSampleId :

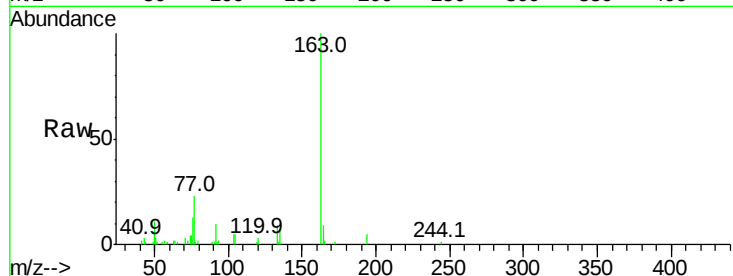
Tot Ion:163 Resp: 40143

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

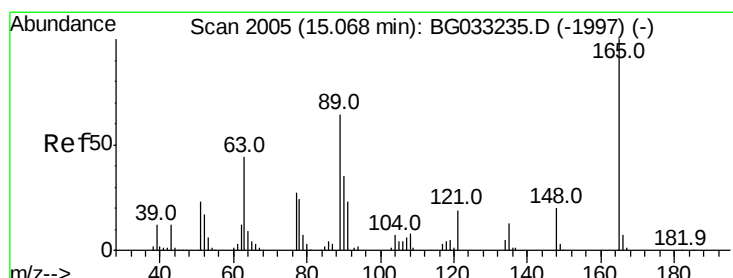
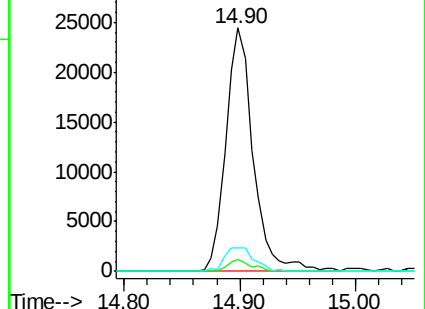
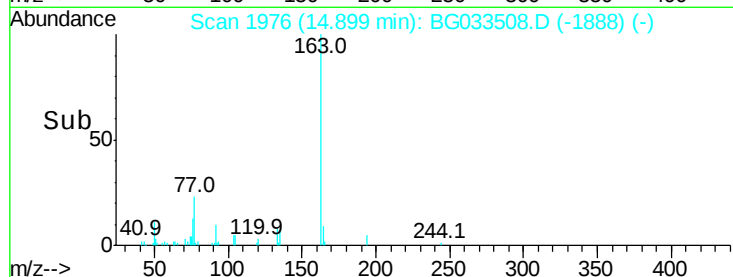
164 9.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.251 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.43 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

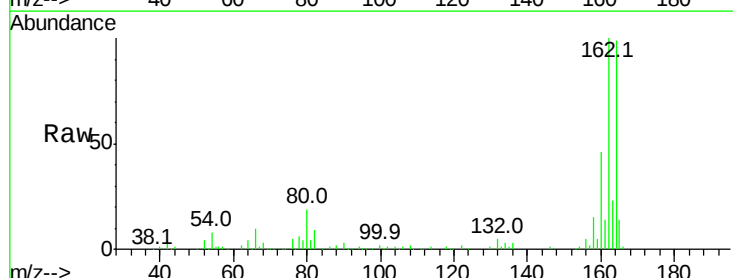
Tgt Ion:165 Resp: 15615

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

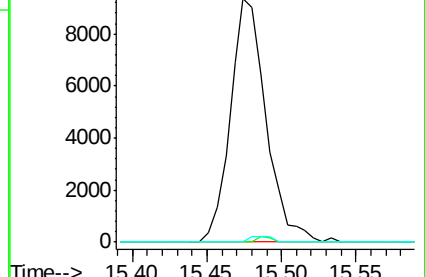
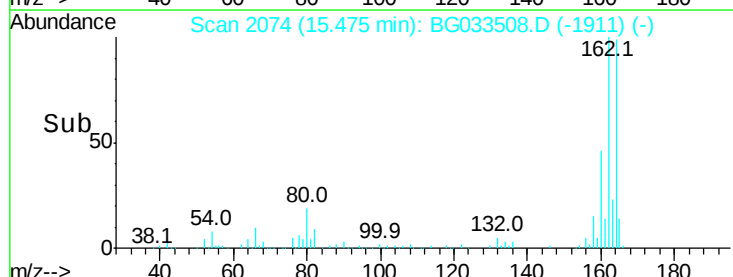
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

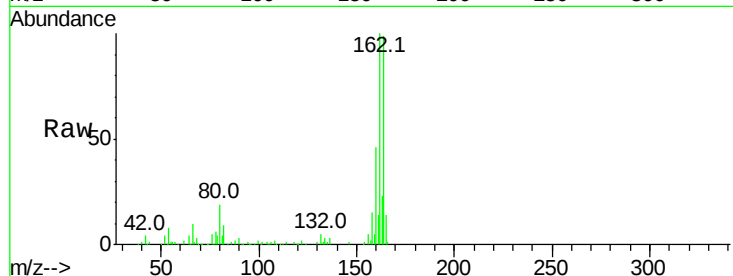




#56  
2,4-Dinitrotoluene  
Concen: 4.925 ng  
RT: 15.47 min Scan# 2074  
Delta R.T. -0.35 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 15616  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.0 63.0#  
89 0.0 66.9 100.3#  
182 0.0 2.6 3.8#

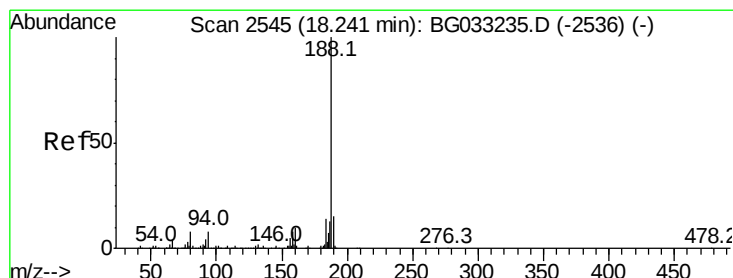
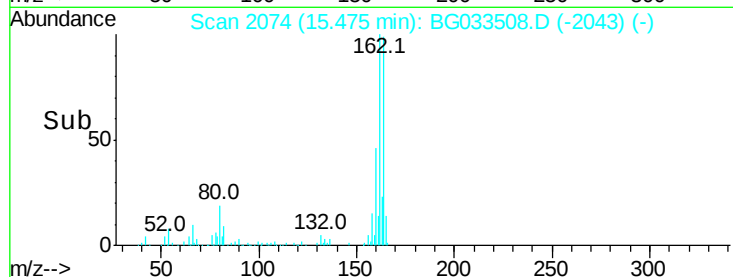
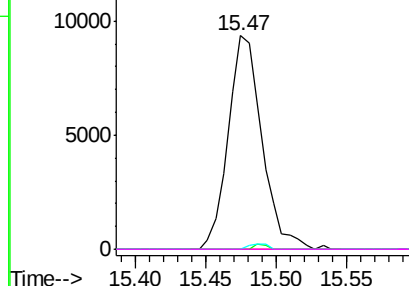


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

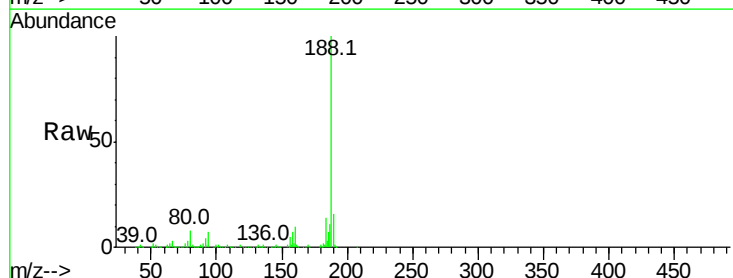
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.21 min Scan# 2539  
Delta R.T. -0.01 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

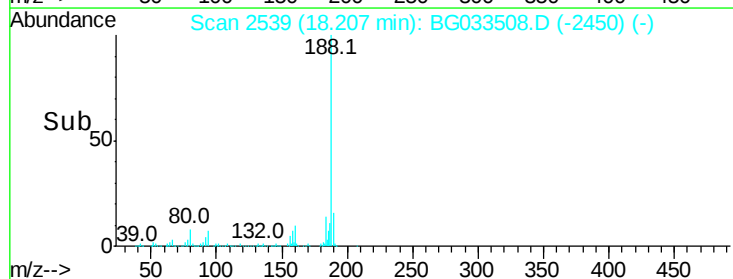
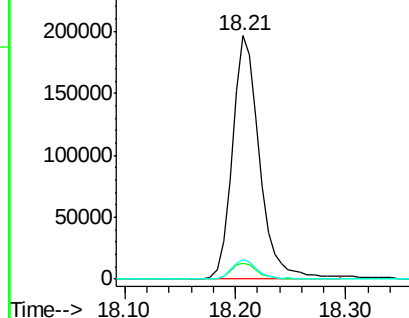
Tgt Ion:188 Resp: 338993  
Ion Ratio Lower Upper  
188 100  
94 6.6 6.9 10.3#  
80 8.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

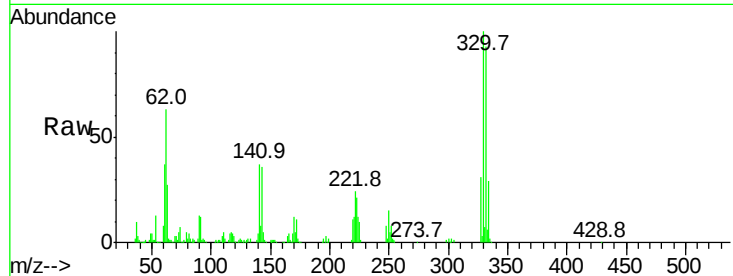




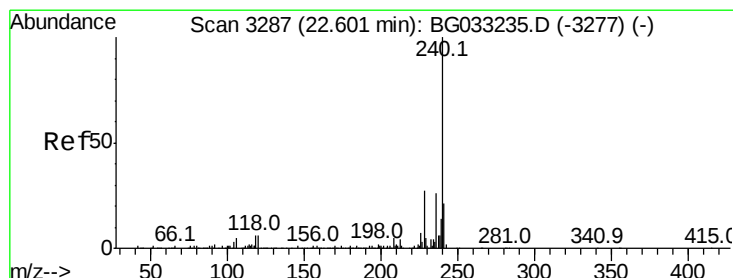
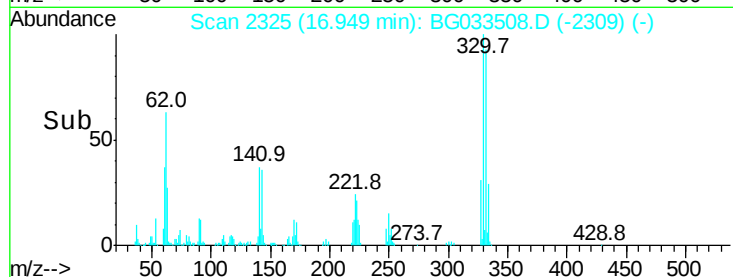
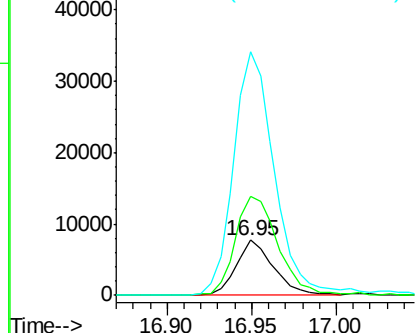
#66  
4-Bromophenyl-phenylether  
Concen: 2.972 ng  
RT: 16.95 min Scan# 2325  
Delta R.T. -0.44 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 11831  
Ion Ratio Lower Upper  
248 100  
250 179.3 77.1 115.7#  
141 443.7 50.8 76.2#

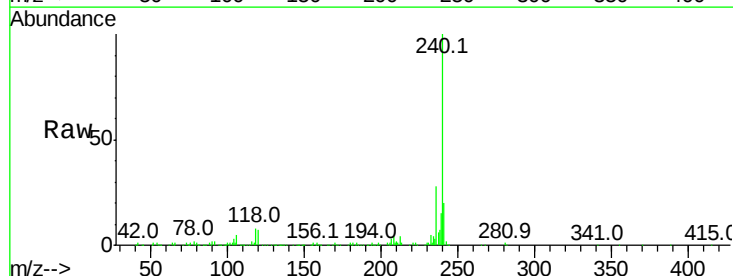


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

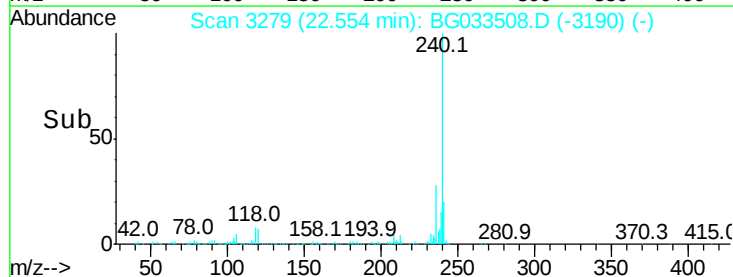
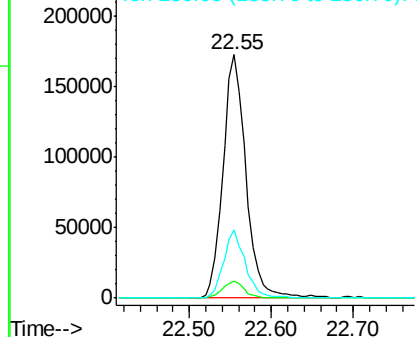


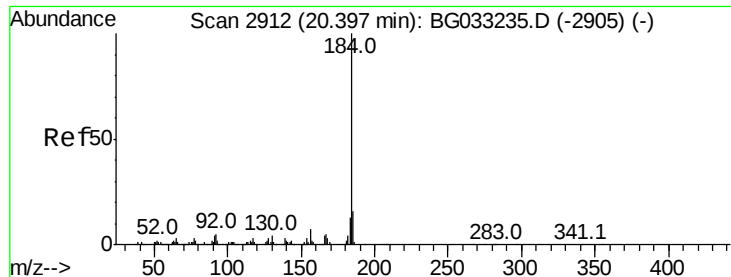
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3279  
Delta R.T. -0.01 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

Tgt Ion:240 Resp: 337560  
Ion Ratio Lower Upper  
240 100  
120 6.8 6.8 10.2#  
236 27.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.447 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

Instrument :

BNA\_G

ClientSampleId :

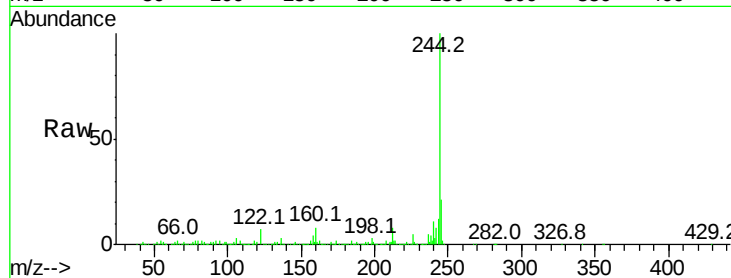
Tot Ion:184 Resp: 22400

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

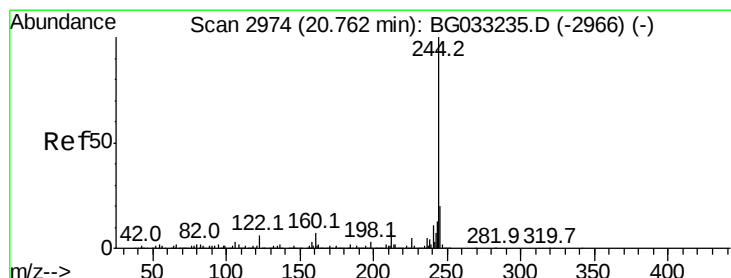
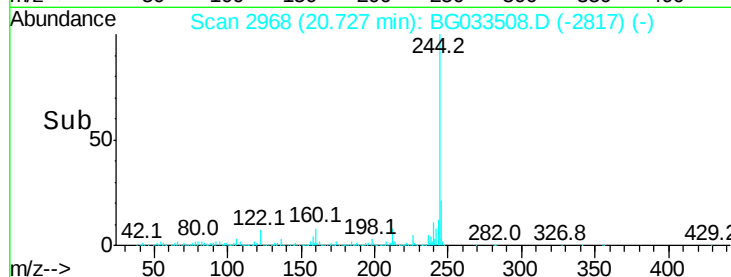
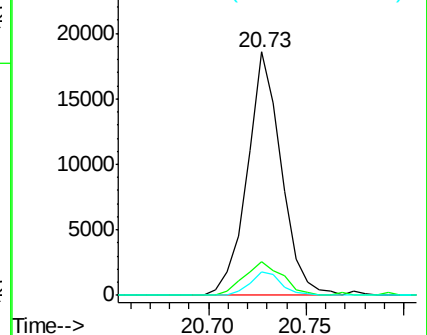
183 9.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 84.553 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033508.D

Acq: 3 Apr 2018 4:09

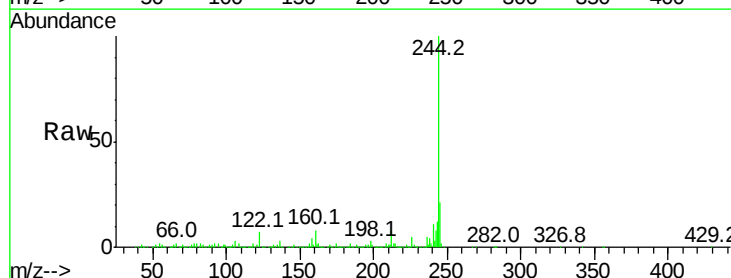
Tgt Ion:244 Resp: 1334600

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

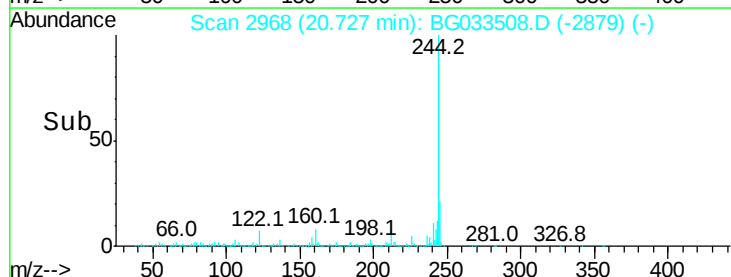
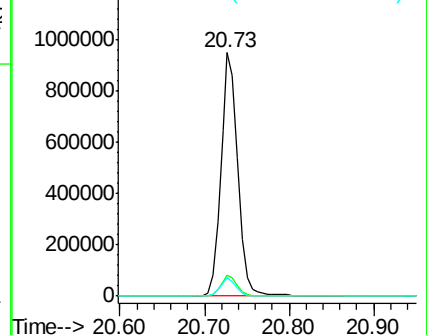
122 7.3 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

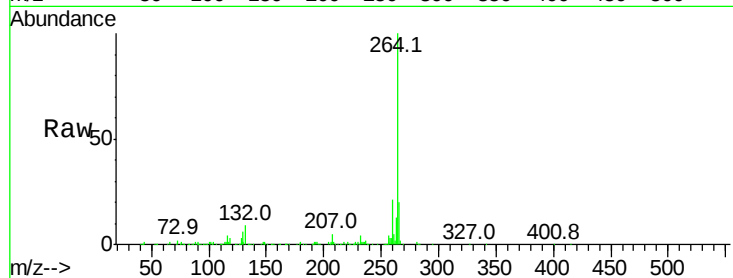




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.32 min Scan# 3920  
Delta R.T. -0.01 min  
Lab File: BG033508.D  
Acq: 3 Apr 2018 4:09

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.5  | 17.4  | 26.0  |
| 265     | 20.2  | 17.7  | 26.5  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

